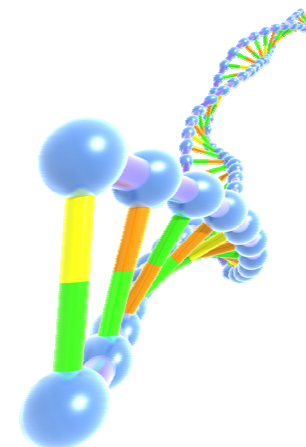


Orin Shanks EPA/ORD

Fecal Source Identification:

Method standardization and field demonstrations

2:45 pm CDT



Dr. Orin C. Shanks is a geneticist at the US EPA in the Office of Research and Development. His primary research area is the application of DNA-based molecular technologies for environmental microbiology. Projects focus on the identification of host-associated genetic markers of fecal pollution, development of quantitative real-time PCR methods, fate and transport of nucleic acids, as well as utility of molecular methods for water quality management. Other research activities employ next generation sequencing and computational biology to elucidate the influence of host age, diet, and geographic locality on the shedding of fecal indicator bacteria.

Dr. Shanks received his undergraduate and Master's degrees from the University of Wyoming and his Ph.D. from Oregon State University.

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